

IN THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

1. – 16. **(Canceled)**

17. **(Previously Presented)** A method of controlling an automotive vehicle and a trailer comprising:

determining a presence of a trailer; and

applying at least one trailer brake and at least one vehicle brake to brake-steer the vehicle and trailer in response to the presence of the trailer to reduce a vehicle turning radius of the vehicle and trailer.

18. **(Original)** A method as recited in claim 17 further comprising generating a reverse direction signal of the vehicle and applying brake-steer in response to the reverse direction signal.

19. **(Original)** A method as recited in claim 18 wherein generating a reverse direction signal comprises generating a reverse direction signal from a shift lever.

20. **(Original)** A method as recited in claim 18 wherein generating a reverse direction signal comprises generating a reverse direction from a push button.

21. **(Original)** A method as recited in claim 18 wherein generating a reverse direction signal comprises generating a reverse direction from a transmission controller.

22. **(Original)** A method as recited in claim 18 wherein generating a reverse direction signal comprises generating a reverse direction from a wheel speed sensor relative to a first wheel.

23. **(Original)** A method as recited in claim 17 wherein determining a presence of a trailer comprises determining the presence of a trailer with a hitch sensor.

24. **(Original)** A method as recited in claim 17 wherein determining a presence of a trailer comprises determining the presence of a trailer with a reverse aid sensor.

25. **(Original)** A method as recited in claim 17 wherein determining a presence of a trailer comprises determining the presence of a trailer with an ultrasonic sensor.

26. **(Original)** A method as recited in claim 17 wherein determining a presence of a trailer comprises determining the presence of a trailer with a camera.

27. **(Original)** A method as recited in claim 17 wherein determining a presence of a trailer comprises determining the presence of a trailer with a harness current.

28. **(Original)** A method as recited in claim 17 wherein determining a presence of a trailer comprises determining the presence of a trailer with a manually activated mechanism.

29. **(Original)** A method as recited in claim 17 further comprising determining a position of the trailer and applying at least one trailer brake and at least one vehicle brake in response to the position.

30. **(Original)** A method as recited in claim 17 wherein applying brake-steer to the vehicle in response to the trailer to enhance control of the trailer relative to the vehicle comprises applying brake-steer to reduce the turning radius of the vehicle.

31. **(Previously Presented)** A control system for an automotive vehicle and a trailer having a brake comprising:

means to determining the presence of a trailer;

a controller coupled to the means, said controller programmed to apply brake-steer to the vehicle and the trailer brakes to reduce the turning radius of the vehicle and trailer in response to the presence of the trailer.

32. **(Original)** A system as recited in claim 31 wherein said means to determine the presence of a trailer comprises a hitch sensor.

33. **(Original)** A system as recited in claim 31 wherein said means to determine the presence of a trailer comprises a reverse aid sensor.

34. **(Original)** A system as recited in claim 31 wherein said means to determine the presence of a trailer comprises an ultrasonic sensor.

35. **(Original)** A system as recited in claim 31 wherein said means to determine the presence of a trailer comprises a camera.

36. **(Original)** A system as recited in claim 31 wherein said controller is programmed to apply brake-steer by applying a first brake and a second brake to reduce the turning radius of the vehicle.

37. **(Original)** A system as recited in claim 31 wherein said controller is programmed to apply brake-steer by applying at least one brake at a first wheel to reduce a vehicle turning radius.

38. **(Original)** A system as recited in claim 31 wherein said controller is programmed to brake-steer by applying an increased drive torque to a second wheel relative to the first wheel.

39. **(Previously Presented)** A system as recited in claim 31 further comprising a steering wheel angle sensor generating a steering wheel angle signal, said controller programmed to apply brake-steer in response to a reverse direction signal and the steering wheel angle signal.

40. **(Previously Presented)** A system as recited in claim 31 further comprising a yaw rate sensor generating a yaw rate signal, said controller programmed to apply brake-steer in response to a reverse direction signal and yaw rate signal.

41. **(Previously Presented)** A system as recited in claim 31 further comprising a steering wheel torque sensor generating a steering torque signal, said controller programmed to apply brake-steer in response to a reverse direction signal and steering torque signal.

42. **(Currently Amended)** A system as recited in claim 31 further comprising a steering wheel angle sensor generating a steering wheel angle signal and a vehicle velocity sensor generating a vehicle velocity signal, said controller programmed to apply brake-steer in response to a reverse direction signal, steering wheel angle and vehicle ~~[[velocity signal]]~~ velocity signal.

43. **(Original)** A system as recited in claim 31 further comprising means to determine a trailer position, said controller programmed to apply brake-steer in response to the trailer position.